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## ERIK KIVIAT PhD PWS

### Recent Professional Experience

*Hudsonia Ltd.:* Executive Director; 1988- (excepting two years); Ecologist, 1981-1988; Co-founder.

*Bard College:* Associate Professor then Professor of Environmental Studies; Graduate School of Environmental Studies, 1987-2005; Research Associate, Division of Natural Sciences and Mathematics, 2002-.

*Technical assistance to:* Non-governmental organizations (land trusts, environmental groups, citizens' groups); landowners; renewable energy developers; other businesses; planning, law, and engineering firms; sporting associations; federal, state and local government; in New York, New Jersey, Connecticut, Massachusetts, Ohio: more than 300 reports prepared, 1975-.

*Professional workshops taught or co-taught:* Winter Woody Plant Identification; *Phragmites* Ecology and Management; Reptile and Amphibian Survey Methods; Reptiles and Amphibians of the Hudson River; Wetland Habitat Creation and Turtle Conservation; Conservation of Urban Biodiversity; many others.

*Fellowships:* Cary Summer Research Fellowship 1993, Institute of Ecosystem Studies, Millbrook, NY: Vegetation and biogeochemistry of Blanding's turtle habitats. Short-term Visitor, 1995, Smithsonian Environmental Research Laboratory, Edgewater, MD: Freshwater-tidal and nontidal wetland studies.

*Peer Reviewer:* *Biological Invasions*; *Chelonian Conservation and Biology*; *Ecosphere*; *Environmental Monitoring and Assessment*; *Estuaries*; *Estuarine, Coastal and Shelf Science*; *Journal of Herpetology*; *Journal of the Marine Biological Association of the United Kingdom*; *Mires & Peat*; *New York State Museum Bulletin*; *Northeastern Naturalist*; *Studies in Avian Biology*; *Urban Habitats*; *Urban Naturalist*; *Wetlands*; *Wetlands Ecology and Management*; *Wilson Bulletin*; American Museum of Natural History; Countryman Press; Hudson River Foundation; Long Island Sound License Plate Fund; Marsh Ecology Research Program (Man.); Marsh Ecology Research Program (NJ); Rutgers University Press; San Francisco Bay-Delta Research Enhancement Program; Connecticut Sea Grant; Rhode Island Sea Grant; State University of New York Press; Nature Conservancy; U.S. Fish and Wildlife Service; U.S. Geological Survey; U.S. Office of Technology Assessment.

*PhD thesis committees:* SUNY Environmental Science & Forestry; Nelson Mandela Metropolitan University (South Africa; external reader). *Master's thesis committees:* Bard College (many); SUNY Albany; SUNY New Paltz.

*Volunteer* (selected field biology projects): Turtle research, Jug Bay Wetlands Sanctuary, Maryland, 1990s-2000s; Ontario Breeding Bird Atlas, James Bay - Hudson Bay Lowland, Canada, 1985; Herpetofaunal surveys, Jekyll Island, GA, 1979-2013; Osprey survey and herpetofaunal survey, St. Catherine's Island, GA, 1973; Reptile and amphibian population studies, Kalbfleisch Field Research Station, Long Island, NY, 1964; Additional reptile and amphibian surveys in New York, Massachusetts, Georgia (Sea Islands), and México (Querétaro), American Museum of Natural History, 1961-1979.

## **Education**

PhD Ecology, Union Institute and University, 1991. Thesis: *Wetland human ecology*.

MA Biology, State University at New Paltz, NY, 1979. Thesis: *Hudson Estuary shore zone: Ecology and management*.

BS Natural Sciences, Bard College, 1976. Thesis: *Snapping turtle ecology in a New York tidemarsh*.

*Professional courses and workshops taken:* Mosses: Structure, Ecology, and Identification (5 days), White Creek Field School, 2017; Wildlife Study Design (1 day), Wildlife Society, 2002; Spiders: Identification, Biology, and Ecology (5 days), Eagle Hill Institute, 2001; Mosquito Identification and Surveillance (2 days), New York State Department of Health, 2000; Applied Multivariate Methods (5 days), Institute for Professional Education, VA, 1995; Control of Mosquitoes and Mosquito-borne Diseases in the U.S. (5 days), International Center for Public Health Research, SC, 1993; Understanding Wetland Soils (2 days), Cook College, Rutgers University, NJ, 1989; Landscape Preservation: Ecological and Social Issues (1 day), Institute of Ecosystem Studies, Millbrook, NY, 1987; Energy Analysis (1 day), University of Georgia, Athens, 1977; Freshwater Fishes of New York (5 days), American Museum of Natural History, New York, NY, 1970.

## **Research Interests**

Nonnative weed ecology and management; Wetland ecology and management; Herpetofaunal ecology and conservation (including estuary, fen, woodland pool, and barrier island faunas); Habitat ecology, assessment, monitoring, creation, restoration; Urban and rural biodiversity, rare or little-known species; Energy development impacts on biodiversity; Human cultural adaptations to wetlands and vector-borne diseases, and human interactions with wetlands; Ethnobotany and economic botany.

Current research projects (with Hudsonia staff, interns, and collaborators): Biodiversity impacts of community and utility-scale solar photovoltaic generating projects; Urban biodiversity and its management, a case study of the New Jersey Meadowlands (includes field surveys of mammals, birds, herpetofauna, butterflies, dragonflies, clam shrimps, land snails, vascular plants, bryophytes, lichens, macrofungi); Long-term response of the threatened Blanding's turtle to created wetland and upland habitats; An old-growth forest in the Hudson Valley after 40 years; Two prickly-pear species near their range limits in rocky habitats of the Hudson Valley; Human-disturbed habitats as sentinels for early detection of nonnative weeds in the Catskill Mountain region; Habitat functions of *Phragmites*, purple loosestrife, and knotweed for organisms from cryptogams to mammals; Bioenergy and other uses of abundant nonnative plants.

**Additional Field Work** (much of it focused on invasive plants)

Arizona, California, Colorado, Connecticut, District of Columbia, Florida, Georgia, Louisiana, Maine, Maryland, Massachusetts, Minnesota, Nebraska, New Jersey, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Carolina, Texas, Utah, Vermont, Washington; British Columbia, Manitoba, Nova Scotia, Ontario, Québec; México; Trinidad; Czech Republic; France; Germany; Romania; England; Scotland; Hungary; Italy; Botswana.

**Languages:** French and Spanish (reading knowledge).

**Professional Certification:** Professional Wetland Scientist, Society of Wetland Scientists, 1995-.

## **Honors**

Awarded to Erik Kiviat or to Hudsonia for projects or programs he directed: Franklin and Eleanor Roosevelt Hudson Valley Vision Award 2018; John and Samuel Bard Award in Medicine and Science 2016;

Environmental Consortium Great Work Award 2014; Coastal America Spirit Award, New Jersey Marine Sciences Consortium Habitat Initiative, 2006; Nominations for National Wetlands Award 2002, 2009-2011; Certificate of Appreciation, New York State Department of Environmental Conservation, 2000; Good Land Award, Winnakee Land Trust, 1999, 2008; Project Facilitation Award, Society for Ecological Restoration, 1997; Marion Thompson Fuller Brown Conservation Award, Garden Clubs of America, 1996; Environmental Award, Museum of the Hudson Highlands, 1996; Award for Environmental Sensitivity, Mohonk Consultations on the Earth's Environment, 1995; Researcher of the Year Award, Hudson River Environmental Society, 1994; Service Award, Dutchess County Environmental Management Council, 1982.

### **Professional Societies**

American Bryological and Lichenological Society; Association of Field Ornithologists; Association of State Wetland Managers; Hudson River Environmental Society; Natural Areas Association; Society for the Study of Amphibians and Reptiles; Society of Wetland Scientists; Southern Appalachian Botanical Society; Torrey Botanical Society; Wilson Ornithological Society.

### **Public Service**

Citizens' Advisory Group, Rebuild by Design Meadowlands Flood Protection Project, 2016-2018; Editorial Board, *Urban Naturalist* 2014- ; Lower Hudson Partnership in Invasive Species Management, 2012- (Steering Committee 2013-2015); Invited participant, recovery workshops for bog turtle, U.S. Fish and Wildlife Service (FWS) and New York State Department of Environmental Conservation (DEC), 2011-2015; Steering Committee, Northeast Natural History Conference, 2010; Invited participant, recovery workshops for Blanding's turtle, timber rattlesnake, northern cricket frog, New England cottontail, DEC, 2009-?; Scientific Advisory Committee, Hudson River Almanac; Advisory Committee for Quadricentennial Exhibit, Albany Institute for History and Art, 2008; co-sponsor, Japanese Knotweed Managers' Workshop, 2005; co-convenor, Hackensack Meadowlands Symposium, 2003; Greene County (NY) Habitat Management Advisory Committee, 2003-2006; Advisory Committee for Hudson River Estuary Exhibit, Liberty Science Center, 2002-2007; Scientific Advisory Committee, New York - New Jersey Trail Conference, 2002-2008; Co-sponsor, *Phragmites* Forum, 2002; Convenor of workshop *Purple Loosestrife and Wildlife in North America*, Northeast Fish and Wildlife Conference, 2001; Conservation and Recovery of the Bog Turtle (invited participant), FWS, 1998; Jug Bay Wetlands Sanctuary (MD) Advisory Committee, 1998-2013; Scientific Advisory Committee, Friends of the Great Swamp, 1998-; New York State Department of Environmental Conservation Hudson River Biodiversity Committee, DEC, 1997-; Scientific Advisory Committee, Hudson River Habitat Restoration Program, U.S. Army Corps of Engineers, 1994-95; Editorial Board, *Water Ways: New York's Waterfront News*, 1990-92; Hudson River National Estuarine Research Reserve Advisory Committee, 1983-84, Hudson River Fisheries Advisory Committee, 1979-83, Hudson River Valley Study Advisory Committee, 1978, DEC; Wildlife Society New York Chapter, Committee on Exotic Plants, 1981-87; Advisory Board of the Trevor Zoo, 1981-94; Dutchess County Environmental Management Council Significant Areas Committee, 1980-82; Storm King School Environmental Institute Advisory Board, 1983-85; Convenor of Hudson River Marsh Workshop, Hudson River Environmental Society, 1976; Hudson River Sloop Clearwater Board of Directors 1975-76.

***Presentations at Scientific Conferences*** More than 85 beginning in 1974.

### ***Technical Publications*** (\* Peer reviewed)

(Papers are in preparation with various collaborators on Blanding's turtle habitat restoration, human uses of an urban-fringe wetland complex, wetland imagery in American novels, Atlantic Coast leopard frog

response to Hurricane Sandy, first records of the potentially invasive plant *Cyperus difformis* in New York, bryophytes and loosestrifes, organisms associated with knotweed.)

- Caponera, V. & E. Kiviat. In press. Painted turtle ecology in a freshwater tidal marsh: Concluding survey. Final Reports of the Polgar Fellowship Program, Hudson River Foundation.
- Kiviat, E., L. Stickle & E. Heffernan. 2019, in press. Re-survey of flora and vegetation after four decades in a bog lake, New York. *Castanea* 84(2):290–310. \*
- Kiviat, E. & K. MacDonald. Under contract. Conservation of urban biodiversity: A case study of the New Jersey Meadowlands. Lexington Books, Lanham, Maryland. \*
- Kiviat, E. 2019. Organisms using *Phragmites australis* are diverse and similar on three continents. *Journal of Natural History* 53(31-32):1975-2010. \*
- Schmidt, R.E., E. Kiviat & S. Mahon. Submitted. Discovery of the clam shrimp, *Limnadia lenticularis* (Linnaeus 1761), in Bergen County, New Jersey. *Northeastern Naturalist*. \*
- Kiviat, E., L.A. Meyerson, T.J. Mozdzer, W.J. Allen, G. Bhattarai, H. Brix, J.S. Caplan, K.M. Kettenring, C. Lambertini, J. Weis, D.F. Whigham & J.T. Cronin. 2019. Evidence does not support the targeting of cryptic invaders at the subspecies level using classical biological control: The example of *Phragmites*. *Biological Invasions* 21(8):2529-2541. \*
- Schmidt, R.E., E. Kiviat, N. Trigoboff & J. Vanek. 2018. New records of clam shrimp (Laevicaudata, Spinicaudata) from New York. *Northeastern Naturalist* 25(2):N7-N10. \*
- Bacon, R.J. & E. Kiviat. 2018. Ecology of painted turtles in a freshwater tidal marsh, Tivoli North Bay, New York. Pages II-1 to II-29 in S.H. Fernald, D.J. Yozzo and H. Andreyko (eds.), Final Reports of the Tibor T. Polgar Fellowship Program, 2015. Hudson River Foundation.
- Schlesinger, M., J.A. Feinberg, N.H. Nazdrowicz, J.D. Kleopfer, J.C. Beane, J.F. Bunnell, J. Burger, E. Corey, K. Gipe, J.W. Jaycox, E. Kiviat, J. Kubel, D.P. Quinn, C. Raithel, P.A. Scott, S.M. Wanner, E.L. White, B. Zarate, H.B. Shaffer. 2018. Follow-up ecological studies for cryptic species discoveries: Decrypting the leopard frogs of the eastern U.S. *PLOS ONE* 13(11):e0205805. <https://doi.org/10.1371/journal.pone.0205805> \*
- Travis, K.B., I. Haeckel, G. Stevens, J. Tesauro & E. Kiviat. 2018. Bog turtle dispersal corridors and conservation in New York, U.S.A. *Herpetological Conservation and Biology* 13(1):257–272. \*
- Travis, K.B., E. Kiviat, J. Tesauro, L. Stickle, M. Fadden, V. Steckler & L. Lukas. 2018. Grazing for bog turtle (*Glyptemys muhlenbergii*) habitat management: Case study of a New York fen. *Herpetological Conservation and Biology* 13(3):726–742. \*
- Les, J.C. & E. Kiviat. 2017. The conservation status of goldenclub (*Orontium aquaticum*) in the freshwater tidal wetlands of the Hudson River. 41 p. in S.H. Fernald, D.J. Yozzo and H. Andreyko (eds.), Final Reports of the Tibor T. Polgar Fellowship Program, 2014. Hudson River Foundation.
- Strayer, D.L., E. Kiviat, S.E.G. Findlay & N. Slowik. 2016. Vegetation of riprapped revetments along the freshwater tidal Hudson River, New York. *Aquatic Sciences* 78:605-614. \*
- Bhattarai, G.P., W.J. Allen, J.T. Cronin, E. Kiviat & L.A. Meyerson. 2016. Response to Blossey and Casagrande: Ecological and evolutionary processes make host specificity at the subspecies level exceedingly unlikely. *Biological Invasions* 18(9): 2757-2758. \*
- Cronin, J.T., E. Kiviat, L.A. Meyerson, G.P. Bhattarai & W.J. Allen. 2016. Biological control of invasive *Phragmites australis* will be detrimental to native *P. australis*. *Biological Invasions* 18(9):2749–2752. \*
- Kiviat, E. 2014. Adaptation of human cultures to wetland environments. P. 404-415 in P. Gâştescu, W. Marszelewski & P. Bretcan. 2nd International Conference "Water Resources and Wetlands" Conference Proceedings 11-13 September, 2014 Tulcea (Romania). Romanian Limnogeographical Association. \*

- Vaičekonytė, R., E. Kiviat, F. Nsenga & A. Ostfeld. 2014. An exploration of common reed (*Phragmites australis*) bioenergy potential in North America. *Mires & Peat* 13(Article 12):1-9.  
<http://www.mires-and-peat.net/> \*
- Kiviat, E. 2013. Risks to biodiversity from hydraulic fracturing for natural gas in the Marcellus and Utica shales. *The Year in Ecology and Conservation Biology 2012*, *Annals of the New York Academy of Sciences* 1286:1-14. (Invited paper.) \*
- Kiviat, E. 2013. Ecosystem services of *Phragmites* in North America with emphasis on habitat functions. *AoB Plants* 2013, doi: 10.1093/aobpla/plt008. 29 p. (Invited paper.) \*
- Kiviat, E. & E. Johnson. 2013. Biodiversity assessment handbook for New York City. American Museum of Natural History Center for Biodiversity and Conservation, and Hudsonia.  
<http://www.amnh.org/our-research/center-for-biodiversity-conservation/publications/for-policymakers/biodiversity-assessment-handbook-for-new-york-city>
- Gillen, J. & E. Kiviat. 2012. Hydraulic fracturing threats to species with restricted ranges in the eastern United States. *Environmental Practice* 14(4):320-331. \*
- Kiviat, E. 2011. Frog call surveys in an urban wetland complex, the Hackensack Meadowlands, New Jersey, 2006. *Urban Habitats* 6 (unpaginated). [urbanhabitats.org](http://urbanhabitats.org) \*
- Dowling, Z., T. Hartwig, E. Kiviat & F. Keesing. 2010. Experimental management of nesting habitat for the Blanding's turtle (*Emys blandingii*). *Ecological Restoration*. 28(2):154-159. \*
- Kiviat, E. 2010. *Phragmites* management sourcebook for the tidal Hudson River and the northeastern states. Hudsonia Ltd., Annandale NY 12504 USA. 74 p. [www.hudsonia.org](http://www.hudsonia.org)
- Kiviat, E., G. Mihocko, G. Stevens, P.M. Groffman & D. Van Hoewyk. 2010. Vegetation, soils, and land use in fens of eastern New York and adjacent Connecticut. *Rhodora* 112(952):335-354. \*
- Kiviat, E. 2009. Human uses of tidal freshwater wetlands on the USA East Coast. P. 21-30 in A. Barendregt, D. Whigham & A. Baldwin, eds. *Tidal Freshwater Wetlands*. Backhuys Publishers, Leiden, The Netherlands. (Invited chapter.) \*
- Kiviat, E. 2009. Invasive plants in tidal freshwater wetlands - North American East Coast. P. 106-114 in A. Barendregt, D. Whigham & A. Baldwin, eds. *Tidal Freshwater Wetlands*. Backhuys Publishers, Leiden, The Netherlands. (Invited chapter.) \*
- Swarth, C. & E. Kiviat. 2009. Animal communities in North American tidal freshwater wetlands. P. 71-88 in A. Barendregt, D. Whigham & A. Baldwin, eds. *Tidal Freshwater Wetlands*. Backhuys Publishers, Leiden, The Netherlands. (Invited chapter.) \*
- Schmidt, R.E. & E. Kiviat. 2007 (2008). State records and habitat of clam shrimp, *Caenestheriella gyne-cia* (Crustacea: Conchostraca), in New York and New Jersey. *Canadian Field-Naturalist* 121:128-132. \*
- Hartwig, T. & E. Kiviat. 2007. Microhabitat use by Blanding's turtle in constructed and reference wetlands. *Journal of Wildlife Management* 71(2):576-582. \*
- Kiviat, E., S.E.G. Findlay & W.C. Nieder. 2006. Tidal wetlands. P. 279-295 in J.S. Levinton & J.R. Waldman, eds. *The Hudson River Estuary*. Cambridge University Press, New York, NY. (Invited chapter.)
- Kiviat, E., guest editor. 2004. The Hackensack Meadowlands: History, ecology, and restoration of a degraded urban wetland. *Urban Habitats* 2(1):unpaginated. [www.urbanhabitats.org](http://www.urbanhabitats.org) \*
- Kiviat, E. & K. MacDonald. 2004. Biodiversity patterns and conservation in the Hackensack Meadowlands, New Jersey. *Urban Habitats* 2(1):28-61 ([www.urbanhabitats.org](http://www.urbanhabitats.org)). \*
- Hummel, M. & E. Kiviat. 2004. Review of world literature on water-chestnut (*Trapa natans*) with implications for management in North America. *Journal of Aquatic Plant Management* 42(1):17-28. \*
- Kiviat, E. 2004. Occurrence of *Ailanthus altissima* on a Maryland freshwater tidal estuary. *Castanea* 69(2):139-142.\*

- Kiviat, E. 2004. Concluding remarks. P. 101-103 in C. Swarth, W. Roosenberg & E. Kiviat, eds. Conservation and Ecology of Turtles of the Mid-Atlantic Region; A Symposium. Bibliomania!, Salt Lake City, Utah.
- Kiviat, E., G. Stevens, K.L. Munger, L.T. Heady, S. Hoeger, P.J. Petokas & R. Brauman. 2004. Blanding's turtle response to wetland and upland habitat construction. P. 93-99 in C. Swarth, W. Roosenberg & E. Kiviat, eds. Conservation and Ecology of Turtles of the Mid-Atlantic Region; A Symposium. Bibliomania!, Salt Lake City, Utah. \*
- Schmidt, R.E., T.W. Hunsinger, T. Coote, E. Griffin-Noyes & E. Kiviat. 2004. Mudpuppy (*Necturus maculosus*) in the tidal Hudson River with comments on its status as native. Northeastern Naturalist 11(2):179-188.\*
- Swarth, C., W. Roosenberg & E. Kiviat, eds. 2004. Conservation and ecology of turtles of the Mid-Atlantic region; A Symposium. Bibliomania!, Salt Lake City, Utah. 121 p. \*
- Talmage, E. & E. Kiviat. 2004. Japanese knotweed and water quality on the Batavia Kill in Greene County, New York: Background information and literature review. Greene County Soil and Water Conservation District and New York City Department of Environmental Protection. 27 p. [www.gcswwcd.com/stream/knotweed/reports/litreview/JKandwaterquality.pdf](http://www.gcswwcd.com/stream/knotweed/reports/litreview/JKandwaterquality.pdf)
- Bannor, B. & E. Kiviat. 2002. Common moorhen (*Gallinula chloropus*). Birds of North America 685, 27 p. \*
- Findlay, S.E.G., E. Kiviat, W.C. Nieder & E.A. Blair. 2002. Functional assessment of a reference wetland set as a tool for science, management and restoration. Aquatic Sciences 64:107-117. \*
- Kiviat, E. & K. MacDonald. 2002. Hackensack Meadowlands, New Jersey, biodiversity: A review and synthesis. Hackensack Meadowlands Partnership. 112 p. [www.hudsonia.org](http://www.hudsonia.org) \*
- Kiviat, E. & E. Hamilton. 2001. *Phragmites* use by Native North Americans. Aquatic Botany 69(2-4):341-357. \*
- Kiviat, E. & G. Stevens. 2001. Biodiversity assessment manual for the Hudson River estuary corridor. New York State Department of Environmental Conservation, New Paltz, New York. 508 p. \*
- Connors, L.M., E. Kiviat, P.M. Groffman & R.S. Ostfeld. 2000. Muskrat (*Ondatra zibethicus*) disturbance to vegetation and potential net nitrogen mineralization and nitrification rates in a fresh-tidal marsh. American Midland Naturalist 143:53-63. \*
- Kiviat, E., G. Stevens, R. Brauman, S. Hoeger, P.J. Petokas & G.G. Hollands. 2000. Restoration of wetland and upland habitat for Blanding's turtle. Chelonian Conservation and Biology 3(4):650-657.\*
- Meyerson, L.A., K. Saltonstall, L. Windham, E. Kiviat & S. Findlay. 2000. A comparison of *Phragmites australis* in freshwater and brackish marsh environments in North America. Wetlands Ecology and Management 8(2-3):89-103. \*
- van Hoeyk, D., P.M. Groffman, E. Kiviat, G. Mihocko and G. Stevens. 2000. Soil nitrogen dynamics in organic and mineral soil calcareous wetlands in eastern New York. Soil Science Society of America Journal 64(6):2168-2173. \*
- Barbour, J.G. & E. Kiviat. 1997. Introduced purple loosestrife as host of native Saturniidae (Lepidoptera). Great Lakes Entomologist 30(3):115-122. \*
- Kiviat, E. 1997. The book of swamp and bog; Trees, shrubs, and wildflowers of eastern freshwater wetlands. J. Eastman. Canadian Field-Naturalist 111(4):699. (Book review.)
- Kiviat, E. 1997. Blanding's turtle habitat requirements and implications for conservation in Dutchess County, New York. P. 377-382 in J. Van Abbema, ed. Proceedings: Conservation, Restoration, and Management of Tortoises and Turtles - an International Conference. New York Turtle and Tortoise Society and Wildlife Conservation Society Turtle Recovery Program. \*
- Krause, L.H., C. Rietsma & E. Kiviat. 1997. Terrestrial insects associated with *Phragmites australis*, *Typha angustifolia*, and *Lythrum salicaria* in a Hudson River tidal marsh. P. V-1 to V-35 in W.C. Nieder & J.R. Waldman, eds. Final Reports of the Tibor T. Polgar Fellowship Program 1996.



- Hudson River Foundation and New York State Department of Environmental Conservation - Hudson River National Estuarine Research Reserve.
- Winogron, H.G. & E. Kiviat. 1997. Invasion of *Phragmites australis* in the tidal marshes of the Hudson River. P. VI-1 to VI-29 in W.C. Nieder & J.R. Waldman, eds. Final Reports of the Tibor T. Polgar Fellowship Program 1996. Hudson River Foundation and New York State Department of Environmental Conservation - Hudson River National Estuarine Research Reserve.
- Kiviat, E. 1996. The Everglades handbook; Understanding the ecosystem. T.E. Lodge. Canadian Field-Naturalist 110(3):567-568. (Book review.)
- Rozycki, C. & E. Kiviat. 1996. A low density, tidal marsh, painted turtle population. P. V-1 to V-35 in E.A. Blair & J.R. Waldman, eds. Final Reports of the Tibor T. Polgar Fellowship Program 1995. Hudson River Foundation and New York State Department of Environmental Conservation - Hudson River National Estuarine Research Reserve.
- Kiviat, E. 1996. American goldfinch nests in purple loosestrife. Wilson Bulletin 108(1):182-186. \*
- Kiviat, E. & J.G. Barbour. 1996. Wood turtles in fresh-tidal habitats of the Hudson River. Canadian Field-Naturalist 110(2):341-343. \*
- Groffman, P.M., Hanson, G.C., E. Kiviat & G. Stevens. 1996. Variation in microbial biomass and activity in four different wetland types. Soil Science Society of America Journal 60:622-629. \*
- Sharma, V. & E. Kiviat. 1994. Habitats of the monkeyflowers *Mimulus alatus* and *Mimulus ringens* on the Hudson River. P. V-1 to V-36 in E.A. Blair & J.R. Waldman, eds. Final Reports of the Tibor T. Polgar Fellowship Program 1992. Hudson River Foundation and New York State Department of Environmental Conservation - Hudson River National Estuarine Research Reserve.
- Leonardi, L. & E. Kiviat. 1990. Bryophytes of the Tivoli Bays tidal swamps. P. III-1 to III-23 in J.R. Waldman & E.A. Blair, eds. Final Reports of the Tibor T. Polgar Fellowship Program 1989. Hudson River Foundation and New York State Department of Environmental Conservation - Hudson River National Estuarine Research Reserve.
- Kiviat, E. 1989. The role of wildlife in estuarine ecosystems. P. 437-475 in J.W. Day, et al. Estuarine Ecology. John Wiley & Sons, New York.
- Kiviat, E. 1988. The northern Shawangunk Mountains; An ecological survey. Mohonk Preserve, New Paltz NY. 107 p.
- Kiviat, E. 1987. Common reed (*Phragmites australis*). P. 22-30 in D. Decker & J. Enck, eds. Exotic Plants with Identified Detrimental Impacts on Wildlife Habitats in New York State. New York Chapter, Wildlife Society.
- Kiviat, E. 1987. Water chestnut (*Trapa natans*). P. 31-38 in D. Decker & J. Enck, eds. Exotic Plants with Identified Detrimental Impacts on Wildlife Habitats in New York State. New York Chapter, Wildlife Society.
- Klemens, M.W., E. Kiviat & R.E. Schmidt. 1987. Distribution of the northern leopard frog, *Rana pipiens*, in the lower Hudson and Housatonic river valleys. Northeastern Environmental Science 6(2):99-101. \*
- Barbour, S. & E. Kiviat. 1986. A survey of Lepidoptera in Tivoli North Bay (Hudson River Estuary). P. IV-1 to IV-26 in J.C. Cooper, ed. Polgar Fellowship Reports of the Hudson River National Estuarine Sanctuary Program, 1985. New York State Department of Environmental Conservation, Hudson River Foundation, and U.S. Department of Commerce.
- Westad, K.E. & E. Kiviat. 1986. Flora of freshwater tidal swamps at Tivoli Bays Hudson River National Estuarine Sanctuary. P. III-1 to III-20 in J.C. Cooper, ed. Polgar Fellowship Reports of the Hudson River National Estuarine Sanctuary Program, 1985. New York State Department of Environmental Conservation, Hudson River Foundation, and U.S. Department of Commerce.
- Kiviat, E., R.E. Schmidt & N. Zeising. 1985. Bank swallow and belted kingfisher nest in dredge spoil on the tidal Hudson River. Kingbird 35(1):3-6.
- Kiviat, E. & J. Stapleton. 1983. *Bufo americanus* (American Toad): Estuarine habitat. Herpetological Review 14(2):46.

- Kiviat, E. 1982. Turtles: perspectives and research. M. Harless & H. Morlock, eds. *Herpetological Review* 13(3):100. (Book review.)
- Kiviat, E. 1982. Eastern bluebird remote natural nest sites. *Kingbird* 32(1):6-8.
- Kiviat, E. 1982. Black-capped chickadees eating giant ragweed seeds. *Kingbird* 32(1):25-26.
- Kiviat, E. 1982. Geographic distribution [Five locality records from Jekyll Island, Georgia]: *Rana grylio* (pig frog), *Scaphiopus holbrooki holbrooki* (eastern spadefoot), *Cnemidophorus sexlineatus sexlineatus* (six-lined racerunner), *Eumeces inexpectatus* (southeastern five-lined skink), *Ophedrys aestivus* (rough green snake). *Herpetological Review* 13(2):51-53.
- Kiviat, E. 1981. Hudson River estuary shore zone annotated natural history bibliography with index. Scenic Hudson, Poughkeepsie, NY. 76 p.
- Kiviat, E. 1981. A Hudson River fresh-tidal marsh: management planning. *Restoration and Management Notes* 1(1):14-15.
- Kiviat, E. 1980. A Hudson River tidemars snapping turtle population. *Transactions of the Northeast Section, the Wildlife Society* 37:158-168. \*
- Stone, W.B., E. Kiviat & S.A Butkas. 1980. Toxicants in snapping turtles. *New York Fish and Game Journal* 27(1):39-50.
- Stapleton, J. & E. Kiviat. 1979. Rights of birds and rights of way: Vegetation management on a railroad causeway and its effect on breeding birds. *American Birds* 33(1):7-10.
- Kiviat, E. 1978. Bog turtle habitat ecology. *Bulletin of the Chicago Herpetological Society* 13(2):29-42.
- Kiviat, E. 1978. Hudson River east bank natural areas, Clermont to Norrie. Nature Conservancy, Arlington, Va. 115 p.
- Kiviat, E. 1978. Vertebrate use of muskrat lodges and burrows. *Estuaries* 1:196-200. \*
- Kiviat, E. & D.C. Buso. 1977. Geographic distribution: *Graptemys geographica* (map turtle). *Herpetological Review* 8 (3):84.
- Kiviat, E. 1976. Goldenclub, a threatened plant in the tidal Hudson River. Paper 21, 13 p. in *Fourth Symposium on Hudson River Ecology*. Hudson River Environmental Society, Bronx, NY.
- Kiviat, E. 1976. A symbol for individuals not adult males. *American Birds* 29(4):818.
- Kiviat, E. 1976. Birds and mammals of the Thompson Pond Preserve. Paper 5, 13 p. in P.S. Busch, ed. *The Ecology of Thompson Pond in Dutchess County, New York*. Nature Conservancy, Boston, MA.
- Kiviat, E. & N. Zeising. 1976. The wetland flora of Thompson Pond, New York. Paper 4, 28 p. in P.S. Busch, ed. *The Ecology of Thompson Pond in Dutchess County, New York*. Nature Conservancy, Boston, MA.
- Kiviat, E. 1974. A fresh-water tidal marsh on the Hudson, Tivoli North Bay. Paper 14, 33 p. in *Third Symposium on Hudson River Ecology*. Hudson River Environmental Society, Bronx, NY.

### **Popular Publications (selected)**

- Kiviat, E. 2018-2019. Logging and the environment, Parts 1-2. *News from Hudsonia* 32(2), 33(1).
- Travis, K.B. & E. Kiviat. 2018. Mute swans in the Northeast: A case for evidence-based management. *News from Hudsonia* 32(1):1-5, 7.
- Kiviat, E. 2018. Some notes on responsible investing. *News from Hudsonia* 32(1):6-7.
- Kiviat, E. 2017. Ecological restoration revisited: Some problems and improvements. *News from Hudsonia* 31(2):1-5, 8-9.
- Kiviat, E. 2017. Are rare biota, habitats, and flood protection compatible? *Creation science for the 21st Century*. *News from Hudsonia* 31(1):4-5.
- Kiviat, E. 2016. Shrubland for northeastern biodiversity: A critique of the young forest initiative. *News from Hudsonia* 30(2):1-3, 6.
- Kiviat, E. 2016. Long distance impacts of cheap gas. *News from Hudsonia* 30(1):1-1-3, 10.
- Kiviat, E. 2016. Two urban gems under threat. *News from Hudsonia* 30(1):4-5, 9.



- Kiviat, E. No date. Conservation of urban biodiversity. Hudsonia. Large format tri-fold color brochure.
- Kiviat, E. No date. Amphibians and reptiles of the Hudson River estuary. Hudsonia. Large format tri-fold color brochure.
- Kiviat, E. 2015. In the pipeline: Biodiversity and gas transmission. News from Hudsonia 29(1):1-3, 8-10.
- Kiviat, E. No date. Beautiful wildflowers of the Hudson River estuary. Hudsonia. Large format tri-fold color brochure.
- Kiviat, E. 2014. Field stations, research, and the magic well of nature. News from Hudsonia 28(2):1-3, 8-9.
- Kiviat, E. 2014. Three years, two cows, and twenty-five bog turtles. News from Hudsonia 27(2):4-5.
- Kiviat, E. 2014. Alice in Meadowlands. News from Hudsonia 27(2):6-8.
- Kiviat, E., G. Stevens & P. Harwood. 2014. Irreplaceable archives: The scientific legacy of herbaria. News from Hudsonia 27(2):4-5.
- Kiviat, E. 2012. Urban biodiversity is not an oxymoron. News from Hudsonia 26(1):4-5.
- Kiviat, E. & K. Schneller-McDonald. 2011. Fracking and biodiversity: Unaddressed issues in the New York debate. News from Hudsonia 25(1-2):1-3, 8-10.
- Johnson, L. & E. Kiviat. 2010. Kestrels and centipedes: A biodiversity handbook for New York City. News from Hudsonia 24(2):4-6.
- Kiviat, E. 2009. Non-target impacts of herbicides. News from Hudsonia 23(1):1-3.
- Kiviat, E. 2008. Spreading (water-)chestnut revisited. News from Hudsonia 22(2):4-5.
- Hartwig, T., G. Stevens, E. Kiviat & K. Munger. 2006. The Blanding's turtle. New York State Office of Parks, Recreation and Historic Preservation, New York State Department of Environmental Conservation, and Hudsonia Ltd. Tri-fold color brochure.
- Kiviat, E. 2005, 2007. What does reed (*Phragmites*) ecology tell us about reed management? Parts 1-2. News from Hudsonia 20(1), 21(1).
- Kiviat, E. & K. MacDonald. 2006. The Hackensack Meadowlands, a metropolitan wildlife refuge. Meadowlands Conservation Trust, Lyndhurst, New Jersey. 41 p.
- Kiviat, E. 2004. Who lives with you? P. 44, 47 in J. Purinton, ed. Voices of the Land. Chelsea Green Publishing Co., White River Junction, VT.
- Hartwig, T. & E. Kiviat. 2003. A second look at invasives. Volunteer Monitor 15(2):13-15.
- Kiviat, E. 2003. Have you hugged a taxonomist today? News from Hudsonia 18(2):4, 6.
- Kiviat, E. & G. Stevens. 2003. Environmental deterioration of the outwash plains: Necropsy of a landscape. News from Hudsonia 18(1):1, 4-5.
- Kiviat, E. & R.E. Schmidt. 2002. A biodiversity anecdote [clam-shrimp]. News from Hudsonia 17(2):6.
- Kiviat, E. 2002. A different kind of invasive plant project. News from Hudsonia 17(1):4-5.
- Kiviat, E. 2001. "Far from the madding crowd's ignoble strife" [purple loosestrife]. News from Hudsonia 16(2):5-6.
- Kiviat, E. 2001. Estuarine reptiles and amphibians revisited. News from Hudsonia 16(1):4-5.
- Kiviat, E. 2001. Mountain ecology. P. 27-32 in D.D. Chazin, ed. New York Walk Book. 7th edition. New York - New Jersey Trail Conference, Mahwah, NJ.
- Munger, K. & E. Kiviat. 2001. The Blanding's turtle. New York State Office of Parks, Recreation and Historic Preservation, Albany. 8 p.
- Kiviat, E. 2000. Why natural history is serious science. News from Hudsonia 15(2-3):1-3.
- Kiviat, E. 2000. "Humans alter where the wild live." P. 121 in The Hudson Valley; Our Heritage, Our Future. Poughkeepsie Journal, Poughkeepsie, New York.
- Heady, L. & E. Kiviat. 2000. Grass carp and aquatic weeds: Treating the symptom instead of the cause. News from Hudsonia 15(1):1-3.
- Kiviat, E. 1999. Loosestrife: Purple peril or purple prose? News from Hudsonia 14(2):1-3.
- Kiviat, E. 1998. Mountain ecology. P. 29-34 in J. Daniels, ed. New York Walk Book. 6th edition. New York - New Jersey Trail Conference, New York, NY.

- Kiviat, E. 1997. Errington, Paul L(ester). P. 254-256 in K. Sterling, et al., eds. *Biographical Dictionary of American and Canadian Naturalists and Environmentalists*. Greenwood Press, Westport, CT.
- Kiviat, E. 1997-98. Where are the reptiles and amphibians of the Hudson River? Parts 1-2. *News from Hudsonia* 12(2-3):1, 3-5; 13(3):1-7.
- Kiviat, E. 1997. Carbon cycling in the Hudson River. *News from Hudsonia* 12(2-3):1, 6-7.
- Kiviat, E. 1995. Tangled locks: The purple loosestrife invasion and biological diversity. *Annandale (Bard College)* 134(5):34-39.
- Kiviat, E. 1995. Nearshore environments of the Hudson River: The state of our knowledge of the shallows, wetlands, and shorelines. *News from Hudsonia* 11(2):1-6.
- Kiviat, E. 1995. Marine mammals in the Hudson River estuary. *Tidal Exchange* 5(1):5, 10.
- Kiviat, E. 1994. Muskrat: Manager of the marsh. *News from Hudsonia* 10(3):1-3.
- Kiviat, E. 1994. Reed, sometimes a weed. *News from Hudsonia* 10(3):4-6.
- Kiviat, E. & T. Hartwig. 1994. Marine mammals in the Hudson River. *News from Hudsonia* 10(2):1-5.
- Kiviat, E. 1994. Mosquito ecology, and management of mosquitoes and people. *News from Hudsonia* 10(1):1-6.
- Kiviat, E. 1993. A tale of two turtles; Conservation of the Blanding's turtle and bog turtle. *News from Hudsonia* 9(3):1-6.
- Kiviat, E., G. Stevens & S. Barbour. 1993. Blossoms and clay: Landfill siting, wetlands, and biodiversity. *News from Hudsonia* 9(2):1-7.
- Kiviat, E. 1993. Under the spreading water-chestnut. *News from Hudsonia* 9(1):1-6.
- Stevens, G. & E. Kiviat. 1992. Ecological impacts of mining. *News from Hudsonia* (March):1-6 and *UpRiver/DownRiver* (spring):23-28.
- Kiviat, E. & G. Stevens. 1991. Regulation and loss of Hudson Valley wetlands. *News from Hudsonia* (November):1-6 and *UpRiver/DownRiver* (Nov.-Dec.):54-59.
- Kiviat, E. 1991. *Ecology of Bard lands*. Revised ed. Bard College, Annandale, NY. 40 p.
- Kiviat, E. 1991. How biologists assess special resources: All about Eve's Point. *News from Hudsonia* (July):1-6 and *UpRiver/DownRiver* (July-Aug.):48-53.
- Kiviat, E. 1991. The Shawangunk Kill, a Hudson Valley natural area. *News from Hudsonia* (March):1-6 and *UpRiver/DownRiver* (March-Apr.):46-51.
- Kiviat, E. 1990. Golden opportunity: Biological diversity in the Hudson. *News from Hudsonia* (October):1-6 and *UpRiver/DownRiver* (Nov.-Dec.):31-36.
- Kiviat, E. 1990. Reflections on Hudson River shorefront development. *News from Hudsonia* (April):1-6.
- Kiviat, E., R.E. Schmidt & J.S. Tashiro. 1988. Epibenthic life in the Hudson River. *News from Hudsonia* (March):1-2, 5-6.
- Kiviat, E. 1987. Mills and minnows; A walk down the Saw Kill. Bard College, Annandale, NY. 22 p. (Nature trail.)
- Kiviat, E. 1987. Iona Island Marsh; A Hudson River National Estuarine Sanctuary & Research Reserve. Hudson River Sloop Clearwater and Hudson River National Estuarine Research Reserve. (Brochure.)
- Kiviat, E. 1985. Vegetation. P. 101-122, 187 in H. Thomas, ed. *Dutchess County, New York Natural Resources*. Dutchess County Department of Planning, Poughkeepsie, NY.
- Kiviat, E. 1985. Wildlife. P. 123-144 in H. Thomas, ed. *Dutchess County, New York Natural Resources*. Dutchess County Department of Planning, Poughkeepsie, NY.
- Kiviat, E. 1984. Vegetation of Dutchess County, New York. *Hudson Valley Regional Review* 1(2):144-173.
- Kiviat, E. 1984. Landmarks and landscape: the ecology of site works. P. 61-66 in L. Weintraub, ed. *Land Marks; New Site Proposals by Twenty-two Original Pioneers of Environmental Art*. Bard College Center, Annandale-on-Hudson, NY. (Exhibition catalog.)
- Roberts, R., J. Stapleton, J. Morreale, E. Kiviat & M. Rosenthal. 1984. Feasibility of utilizing apple processing wastes. *International Bio-Energy Directory and Handbook - 1984*:315.

- Stapleton, J., J. Morreale & E. Kiviat. 1984. No landfill space for apple waste; When a New York town refused to accept pomace at its landfill, a feasibility study explored alternative, economical options. *BioCycle* 25(3):46-47.
- Kiviat, E. 1983. The river's land; Seeking sanctuary in tidal marshes. *Hudson Valley Living* 1(1):13-14.
- Kiviat, E. & D. Outlaw. 1983. Dutchess County's bobcats. *Hudson Valley Studies* (June):28-30.
- Kiviat, E. 1982. Apple pomace characteristics and uses. *Hudsonia*, Annandale, NY. 28 p.
- Kiviat, E. 1982. Environmental conditions of site. In Nuclear Lake Management Committee. *Nuclear Lake, a Resource in Question*. Dutchess County Cooperative Extension, Millbrook NY.
- Kiviat, E. & F. Dunwell. 1981. The marshes stand watch. *Hudson Valley* 10(5):33-37.
- Kiviat, E. 1980-81. Profile of the Hudson. *Hudson Valley* 9(8):39, 9(9):24-28, 9(11):28-31, 9(12):39-41.
- Kiviat, E. 1980. Low tides and turtle trails. *Hudson Valley* 9(5):27-29.
- Kiviat, E. 1979. Cattail marshes, birds, good water and people. *Dutchess Life* 3(8):13.
- Kiviat, E. 1978. ...and the wildlands. *Conservationist* 32(6):26. (Photo essay.)
- Kiviat, E. 1977. Reptiles and amphibians of the Hudson estuary. *North River Navigator (Hudson River Sloop Clearwater)* 8(9):4-5.
- Kiviat, E. 1976. Directory of Hudson estuary marsh people and literature. *Currents (Hudson River Environmental Society)*, (Oct.):1-8.
- Kiviat, E. 1976. Listening to the cry of the wilderness. *Hudson Valley* 4(9):8-11.
- Kiviat, E. 1973. Down along the cove. *Bard Review* (spring):21-23.